Form PTO-892 U.S. Department of Commerce	Serial Number	Group Art Unit	Attachment to Paper Number	ur 20
1	09/526,348	1623	04162004	
Notice of References Cited	APPLICANT(S)			
Trottee of References Cited		Bojack e	t al.	

Published U. S. Patent Applications

*	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	Filing Date If Appropriate

## U. S. Patent Documents

*		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	Filing Date If Appropriate
*	A	5,045,557 A	09/03/91	Buss et al.	514	398.000	
*	В	5,096,915 A	03/17/92	Parsons et al.	514	398.000	
*	C	5,786,165 A	07/28/98	Dancer et al. (I) <sup>@ @</sup>	435	018.000	

<sup>@@</sup> Copy supplied, but incorrectly or incompletely cited on a PTO-1449, by applicant.

Foreign Patent Documents

*	DOCUMENT NO.	DATE	COUNTRY	NAME	CLASS	SUB- CLASS	T	

Other References (Including Author, Title, Date, Pertinent Pages, etc.)

*	R	Duffy et al., "The Scope and Mechanism of a Novel Synthesis of 3,4-Fused
		Isothiazoles,"
		Journal of the Chemical Society, Chemical Communications, 1995, (Issue
		No. 23), 2457-2459 (December 7, 1995).
*	S	Frieden et al., "Adenosine Deaminase and Adenylate Deaminase:
		Comparative Kinetic Studies with Transition State and Ground State
		Analogue Inhibitors,"
		Biochemistry, 19(23), 5303-5309 (November 11, 1980).††

† Month of publication data could not be determined from the copy in hand. Issue Number information is provided whenever possible following the volume number in parentheses.

†† Incomplete copy of Chemical Abstracts citation supplied by applicant; see PTO-1449 ref. "BR."

EXAMINER		page 1 of 7
L. E. Crane If Course	04/16/04	¥:Reference not presently available.
*A copy of this	reference is not bei	ng furnished with this office action.
(See Manual	of Patent Examinin	g Procedure, Section 707.05(a).)

Form PTO-892 U.S. Department of Commerce	Serial Number		Attachment to Paper Number	
	09/526,348	1623	04162004	
Notice of References Cited	APPLICANT(S)			
Trottee of References enter		Bojack et	t al.	

*	T	Gewald et al. (I), "New Synthesis of 4-aminoisothiazoles,"
	•	Zeitschrift für Chemie, 15(1), 18-19 (1975);
		Chemical Abstracts. 82(21), page 616, Abstract No. 139991k (May 26,
		1975); only Abstract supplied.
*	U	Gewald et al. (II), "Synthesis and Reactions of 4-aminoisothiazoles,"
		Justus Liebigs Annalen der Chemie, 1979(10), 1534-1546 (October, 1979);
		Chemical Abstracts, 92(9), page 667, Abstract No. 76382w (March 3,
		1980).
*	$\mathbf{V}^{\dagger}$	Kobe et al., "Use of Distance Geometry Approach for the in vitro Antiviral
		Activity Evaluation of N-Bridgehead C-Nucleosides,"
		European Journal of Medicinal Chemistry, 27(3), 259-266 (1992).
*	W	Kurasawa et al., "Synthesis and Conversions of 3-(4-Amino-5-methyl-4H-
		1,2,4-triazol-3-ylmethylene-2-oxo-1,2,3,4-tetrahydroquinozaline,"
		Journal of Heterocyclic Chemistry, 22(6), 1715-1718 (NovDec., 1985).
*	X	Poreba et al. (I), "Synthesis and Preliminary Pharmacological Assessment
		of the Derivatives of Isoxazolo[4,3-d]pyrimidine. II,"
		Acta Polonica Pharm Drug Research, 51(4-5), 355-358 (1994)@@;
		Chemical Abstracts, 123(11), p. 1264, Abstr. No. 143787f (Sept. 11, 1995).
*	Y†	Milne et al., "Pyrazolopyrimidine Nucleosides. Part IV. Synthesis and
	I .	white et all, I juzzolopjimitalio I table oblado. I all I t
		Chemical Reactivity of the C-Nucleoside Selenoformycin B and Derivatives,"

<sup>†</sup> Month of publication data could not be determined from the copy in hand. Issue Number information is provided whenever possible following the volume number in parentheses.

© © Copy supplied, but incorrectly or incompletely cited on a PTO-1449, by applicant.

EXAMINER

L. E. Crane

DATE

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Y:Reference not presently available.

\*A copy of this reference is not being furnished with this office action.

(See Manual of Patent Examining Procedure, Section 707.05(a).)

Form PTO-892 U.S. Department of Commerce	Serial Number	Group Art Unit	Attachment to Paper Number	
	09/526,348	1623	04162004	
Notice of References Cited	APPLICANT(S)			
indice of acterences exten		Bojack et	al.	

		Other References (including Author, Title, Date, Tertificit Tages, etc.)
*	$\mathbf{Z}$	Watanabe et al., "The Studies on the Chemical Derivations of Formycin
		and Formycin B,"
		The Journal of Antibiotics, Series A, 19(2), 93-96 (March, 1966).@@
*	RA†	Long et al., "Pyrazolopyrimidine Nucleosides. Part II. 7-Substituted 3-\u03b3-D-
		Ribofuranosyl[3,4-d]pyrimidines Related to and Derived from the
		Nucleoside Antibiotics Formycin and Formycin B,"
		Journal of the Chemical Society (C), 1971, pp. 2443-2446. @ @
*	SA <sup>†</sup>	Ramasamy et al., "Synthesis and Antitumor Activity of Certain 3-\u03b3-D-
		Ribofuranosyl-1,2,4-triazolo[3,4- $f$ ]-1,2,4-triazines Related to Formycin
	'	Prepared via ring Closure of a 1,2,4-Triazine Precursor,"
		Journal of Medicinal Chemistry, 29(11), 2231-2235 (1986). @ @
*	TA	Fox et al., "Thiation of Nucleosides. I. Synthesis of 2-Amino-6-mercapto-
	;	9-ß-D-ribofuranosylpurine ("Thioguanosine") and Related Purine
		Nucleosides,"
		Journal of the Amer. Chem. Soc., 80(4), 1669-1675 (April 5, 1958).@@
*	UA	Woods et al. "Solvolytic Reactivities of Some 7-Chloronorbornane
		Derivatives,"
		Journal of the Amer. Chem. Soc., 78, 5653-5657 (November 5, 1956).@@
*	VA <sup>†</sup>	Kawana et al., "Synthesis of 2-Fluoro-9-\u03b3-D-Ribofuranosylpurine
		(2-Fluoronebularine),"
		Journal of Medicinal Chemistry, 15(2), 214-215 (1972).@@
*	WA	Nair et al., "Reductive Deamination of Aminopurine Nucleosides,"
		Synthesis, 1984, pp. 401-404 (May, 1984).@@
	3.6 .1	of publication data could not be determined from the copy in hand. Issue Number

† Month of publication data could not be determined from the copy in hand. Issue Number information is provided whenever possible following the volume number in parentheses. @ @ Copy supplied, but incorrectly or incompletely cited on a PTO-1449, by applicant.

EXAMINER	DATE	page 3 of 7
L. E. Crane	E Cane 04/16/0	4 \(\frac{\partial}{\partial}\):Reference not presently available.
	copy of this reference is no	t being furnished with this office action.
	(See Manual of Patent Exam	nining Procedure, Section 707.05(a).)

Form PTO-892 U.S. Department of Commerce	Serial Number	Group Art Unit	Attachment to Paper Number	
	09/526,348	1623	04162004	
Notice of References Cited	APPLICANT(S)			
Notice of References Cited		Bojack et	t al.	

$ \mathbf{X}\mathbf{A}^{\dagger} $	Buck et al., "Conversion of Guanosine into Acyclovir and its 6-Deoxy						
	Derivative,"						
į	Tetrahedron, 50(30), 9195-9206 (1994).@@						
$\mathbf{Y}\mathbf{A}^{\dagger}$	L'abbé et al., "5-Chloropyrazole-4-carboxaldehydes as Synthons for						
	Intramolecular 1,3-Dipolar Cycloadditions,"						
	Journal of the Chem. Soc., Perkin Transactions I, 1994, pp. 2553-2558.@@						
$\mathbf{Z}\mathbf{A}^{\dagger}$	Buchanan et al., "C-Nucleoside Studies. Part 19. The Synthesis of the						
	B-D-Xylofuranosyl Analogues for Formycin,"						
	Journal of the Chem. Soc., Perkin Transactions I, 1986, pp. 1267-1271.@@						
RB†	Lewis et al., "Pyrazolopyrimidine Nucleosides. 13. Synthesis of the Novel						
	C-Nucleoside 5-Amino-3-(\(\beta\)-ribofuranosyl)pyrazolo[3,4-d]pyrimidin-7-						
	one, a Guanosine Analogue Related to the Nucleoside Antibiotic Formycin						
	В,"						
	Journal of the Amer. Chem. Soc., 104(4), 1073-1077 (1982).@@						
SB <sup>†</sup>	Hennen et al., "Synthesis of 4-Substituted 5-Amino-						
	2-(B-D-ribofuranosyl)thiazoles and 4-Substituted 5-Amino-						
	2-(\beta-D-ribofuranosyl)selenazoles and Their Respective Conversion into						
	2-(\beta-D-ribofuranosyl)thiazolo[5,4-d]pyrimidines and						
	2-(\beta-D-ribofuranosyl)selenazolo[5,4-d]pyrimidines. A New Synthesis of						
	Tiazofurin and Selenazofurin,"						
	Journal of Organic Chemistry, 50, 1741-1746 (1985).@@						
	YA† ZA†						

† Month of publication data could not be determined from the copy in hand. Issue Number information is provided whenever possible following the volume number in parentheses.

@ @ Copy supplied, but incorrectly or incompletely cited on a PTO-1449, by applicant.

EXAMINER		DATE	page 4 of 7
L. E. Crane	My Care	_04/16/04	¥:Reference not presently available.
			ng furnished with this office action. g Procedure, Section 707.05(a).)

Form PTO-892 U.S. Department of Commerce	Serial Number	Group Art Unit	Attachment to Paper Number	
	09/526,348	1623	04162004	
Notice of References Cited	APPLICANT(S)			
Notice of References Cited		Bojack e	t al.	

*	TB <sup>†</sup>	Ivanovics et al., "The Synthesis of 2-Substituted Derivatives of						
		5-Amino-1-B-D-ribofuranosylimidazole-4-carboxamide. Ring Opening						
		Reactions of 2-Azapurine Nucleosides,"						
		Journal of Organic Chemistry, 39(25), 3651-3654 (1974). @ @						
*	UB†	Rayner et al., "Rechereche sur la Nucleosides de Synthese: Il Obtention						
		d'Anomeres-α en Series Purinique (French),"						
		Heterocyclic C hemistry, 10, 417-418 (June, 1973).@@						
*	VB <sup>†</sup>	Ellames et al., "The Synthesis of Acycloformycins and						
		5-Amino-3-(2-hydroxyethoxy)-methylpyrazolo[4,3-d]pyrimidin-7(6H)-one,						
		an Analogue of the Antiviral Acycloguanosine,"						
		Journal of the Chem. Soc., Perkin Transactions I, 1985, pp. 2087-2091. @ @						
*	$\mathbf{W}\mathbf{B}^{\dagger}$	Wierzchowski et al., "Analogues of Formycins A and B: Synthesis and						
		Some Properties of Methyl Derivatives of 7-amino and 7-Keto						
		Pyrazolo[4,3-d]pyrimidines,"						
		Acta Biochimica Polonica, 27(1), 35-56 (1980).@@						
*	XB <sup>†</sup>	Kalvoda, "The Synthesis of Pyrazoles: A Simple Preparative Synthesis of						
		C-Nucleosidic Antibiotics Formycin and Formycin B,"						
		Coll. Czech. Chem. Communications, 43, 1431-1437 (1978).@@						
*	YB <sup>†</sup>	Sims et al., "Elevated Adenosine Monophosphate Deaminase Activity in						
		Alzheimer's Disease Brain,"						
		Neurobiology of Aging, 19(5), 385-391 (1998).@@						

<sup>†</sup> Month of publication data could not be determined from the copy in hand. Issue Number information is provided whenever possible following the volume number in parentheses. @ @ Copy supplied, but incorrectly or incompletely cited on a PTO-1449, by applicant.

EXAMINER	13/11		page 5 of 7
L. E. Crane	1/2 Care	-04/16/04	¥:Reference not presently available.
	• •		ng furnished with this office action. g Procedure, Section 707.05(a).)

Form PTO-892 U.S. Department of Commerce			Serial Number	Group Art Unit	Attachment to Paper Number		
				09/526,348	1623	04162004	
Notice	of	References	Cited	APPLICANT(S)			
Notice	O.	itele inces	2100u		Bojack e	t al.	

*	ZB <sup>†</sup>	Poreba et al. (II), "Synthersis and Pharmacological Screening of							
		Derivatives of Isoxazolo[4,3-d]pyrimidine. I,"							
		Il Farmaco, 49(7,8), 529-532 (1994).@@							
*	RC†	El-Maaty et al. (I), "Synthesis of Certain Isothiazolo[4,3-d]pyrimidine							
		Derivatives of Pharmaceutical Interest,"							
		Bull. Fac. Pharm. Cairo Univ., 29(2), 41-47 (1991).@@							
*	SC <sup>†</sup>	El-Maaty et al. (II), "Synthesis of Certain Isothiazolo[4,3-d]pyrimidine-							
		5,7-(4H,6H)-diones of Pharmaceutical Interest,"							
		Egypt. J. Pharm. Sci., 34(4-6), 421-430 (1993).@@							
*	TC	Bhattacharya et al., "Synthesis of Certain N- and C-Alkyl Purine Analogs,"							
		Journal of Heterocyclic Chemistry, 30, 1341-1349 (OctNov., 1993). @ @							
*	UC†	Rao et al., "Synthesis of Certain Acyclic Nucleoside Analogs of 1,2,4-							
		Triazolo[3,4-f][1,2,4]triazine and Pyrimido[5,4-d]pyrimidine,"							
		Nucleosides & Nucleotides, 14(7), 1601-1612 (1995).@@							
*		110000000000000000000000000000000000000							
1	$\mathbf{V}\mathbf{C}^{\dagger}$	Shaban, "The Chemistry of C-Nucleosides and Their Analogs II:							
	VC†								
	VC†	Shaban, "The Chemistry of C-Nucleosides and Their Analogs II:							
	VC†	Shaban, "The Chemistry of C-Nucleosides and Their Analogs II: C-Nucleosides of Condensed Heterocyclic Bases,"							
*		Shaban, "The Chemistry of C-Nucleosides and Their Analogs II:  C-Nucleosides of Condensed Heterocyclic Bases,"  Advances in Heterocyclic Chemistry, 70, 163-309 (1996); only pages 163-							
*		Shaban, "The Chemistry of C-Nucleosides and Their Analogs II: C-Nucleosides of Condensed Heterocyclic Bases,"  Advances in Heterocyclic Chemistry, 70, 163-309 (1996); only pages 163- 177 supplied. <sup>@</sup>							
*		Shaban, "The Chemistry of C-Nucleosides and Their Analogs II:  C-Nucleosides of Condensed Heterocyclic Bases,"  Advances in Heterocyclic Chemistry, 70, 163-309 (1996); only pages 163- 177 supplied. <sup>@</sup> Erion et al., "Discovery of AMP Mimetics that Exhibit High Inhibitory							
*		Shaban, "The Chemistry of C-Nucleosides and Their Analogs II:  C-Nucleosides of Condensed Heterocyclic Bases,"  Advances in Heterocyclic Chemistry, 70, 163-309 (1996); only pages 163- 177 supplied. <sup>@</sup> Erion et al., "Discovery of AMP Mimetics that Exhibit High Inhibitory  Potency and Specificity for AMP Deaminase,"							

† Month of publication data could not be determined from the copy in hand. Issue Number information is provided whenever possible following the volume number in parentheses. @ @ Copy supplied, but incorrectly or incompletely cited on a PTO-1449, by applicant.

	DATE	page 6 of 7					
L. E. Crane / Ciane	04/16/04	¥:Reference not presently available.					
*A copy of this reference is not being furnished with this office action.							
(See Manual of Patent Examining Procedure, Section 707.05(a).)							

Form PTO-892 U.S. Department of Commerce	Serial Number	Group Art Unit	Attachment to Paper Number	
	09/526,348	1623	04162004	
Notice of References Cite	APPLICANT(S)			
Notice of References Cite		Bojack et	t al.	

*	$\mathbf{X}\mathbf{C}^{\dagger}$	Dancer et al. (II), "Adenosine-5'-Phosphate Deaminase,"	
		Plant Physiology, 114, 119-129 (1997). @ @	

† Month of publication data could not be determined from the copy in hand. Issue Number information is provided whenever possible following the volume number in parentheses.

@ @ Copy supplied, but incorrectly or incompletely cited on a PTO-1449, by applicant.

EXAMINER
L. E. Crane

\*A copy of this reference is not being furnished with this office action.

(See Manual of Patent Examining Procedure, Section 707.05(a).)